09/23/2008

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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913 7590

NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ

1109 MCKAY DRIVE SAN JOSE, CA 95131 EXAMINER

KHAN, MEHMOOD B

ART UNIT PAPER NUMBER

2617 DATE MAILED: 09/23/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540.689	04/17/2006	Shu Zhang	CN02 0036 US1	8969

TITLE OF INVENTION: POWER CONTROL FOR MOBILE STATION IN A CDMA-TDD SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/23/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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1109 MCKAY I SAN JOSE, CA							(Depositor's name)	
512 (0052, 012								(Signature)
				L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/540,689 TITLE OF INVENTION	04/17/2006 N: POWER CONTROL F	FOR MOBILE STATION	Shu Zhang IN A CDMA-TDD S	YST	ЕМ	C	N02 0036 US1	8969
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740	12/23/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	ss				
KHAN, MEHMOOD B		2617	370-318000					
"Fee Address" inc PTO/SB/47; Rev 03- Number is required 3. ASSIGNEE NAME A PLEASE NOTE: Un recordation as set for	AND RESIDENCE DATA tless an assignee is ident th in 37 CFR 3.11. Com	" Indication form led. Use of a Customer A TO BE PRINTED ON	data will appear on t T a substitute for filing	rnativesingle or a strong attored to the contract of the contr	rely, e firm (having as a gent) and the nam neys or agents. If printed. e) ttent. If an assign assignment.	memb es of up no nam	er a 2 o to e is 3	cument has been filed for
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a. Applicant clain	a tus (from status indicate ns SMALL ENTITY stati	us. See 37 CFR 1.27.	* *				TITY status. See 37 CF	
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10/540,689	04/17/2006	Shu Zhang	CN02 0036 US1	8969	
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NXP, B.V.		KHAN, MEHMOOD B			
NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131			ART UNIT	PAPER NUMBER	
			2617 DATE MAILED: 09/23/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 306 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 306 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/540,689	ZHANG, SHU		
Notice of Allowability	Examiner	Art Unit	_	
	MEHMOOD B. KHAN	2617		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 08/18/2008.	(OR REMAINS) CLOSED in this or other appropriate communicat IGHTS . This application is subject	application. If not included ion will be mailed in due course. THIS	'e	
2. ☑ The allowed claim(s) is/are <u>3-7,10-12,14,17-19 and 21-24</u> .				
3. Acknowledgment is made of a claim for foreign priority unas Mall b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the company of the paper No./Mail Date DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	e been received. e been received in Application No. cuments have been received in the of this communication to file a rep MENT of this application. hitted. Note the attached EXAMINI es reason(s) why the oath or decla est be submitted. son's Patent Drawing Review (PT) s Amendment / Comment or in the .84(c)) should be written on the dra the header according to 37 CFR 1.13 est of BIOLOGICAL MATERIA	complying with the requirements ER'S AMENDMENT or NOTICE OF caration is deficient. FO-948) attached e Office action of complying in the front (not the back) of complying with the submitted. Note the		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informa 6. ☐ Interview Summa Paper No./Mail I 7. ☒ Examiner's Amer 8. ☒ Examiner's State 9. ☐ Other	ary (PTO-413), Date		

DETAILED ACTION

Examiner's Amendment

Claims 3-7, 10-12 and 14, 17-19 and 21, and 22-24 have been renumbered 1-16, respectively.

Allowable Subject Matter

Claims 3-7, 10-12 and 14, 17-19 and 21, and 22-24 are allowed.

The following is an examiner's statement of reasons for allowance:

Consider independent claims 3, 10, 17 and 22, the best prior art of record found during the examination of the present application are: Nelson et al. (US 2003/0060224, herein Nelson), Baker et al. (US 2002/0094834 herein Baker) and Chen et al. (US 2003/0134655 herein Chen).

In view of the present application, Nelson discloses sending a reference signal with pilot information to multiple units on the forward link. A message is also transmitted to the units on the paging channel with the Effective Radiated Power (ERP) of the reference signal. The power level of the received signal is measured at the transceiver and is compared with the effective radiated power level information. Based on the comparison result, the forward path loss of the forward link is estimated. An assumption is made at the unit, that the reverse path loss is the same as the forward path loss. Thus the unit can transmit signals at a transmit power level to the base station at a desired power level. This in effect, would lower the co-channel interference.

In view of the present application, Baker discloses a system employing parallel power loops in order to select the best transmitting station for high speed data transfer to the mobile station. The parallel power control loops aid in selection of control parameters to improve link robustness and system throughput.

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In view of the present application, Chen discloses a power control system for point-to-multipoint communication services in which transmission power on the forward path as well as the reverse path are minimized so as to reduce interference.

Accordingly, in light of the cited references, the present invention is novel and non-obvious since the prior arts of record do contain either explicitly or implicitly the limitations as a whole as disclosed in the independent claims. In addition any reasonable combination of the cited references cannot be used to reconstruct the claimed invention. Therefore, the present application as claimed is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Andersson et al. (US 6,334,047) discloses system with power control to
 adjust transmission power by checking the Carrier-to-Interference Ratio
 (CIR) received from the mobile at every timeslot. The CIR is compared to
 a desired threshold and a power adjustment is transmitted to the mobile.
- Brooks (US 7,058,400) discloses a system that dynamically controls the forward and reverse link channel processing gains to minimize dropped connections and improve the reliability to hard handoffs.

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Art Unit: 2617

Any response to this Office Action should be faxed to (571) 273-8300 or mailed

to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Hand-delivered responses should be brought to:

Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MEHMOOD B. KHAN whose telephone number is (571)272-9277. The examiner can normally be reached on Monday - Friday 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

/Mehmood B. Khan/ Examiner, Art Unit 2617

/Lester Kincaid/

Supervisory Patent Examiner, Art Unit 2617